

Forprene® 6E1001A90

Thermoplastic Vulcanizate

SO.F.TER. SPA

Message:

Forprene® 6E1001A90 is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America, Latin America or Europe. The processing method is extrusion or injection molding.

Forprene® The main features of 6E1001A90 are:

flame retardant/rated flame

Comply with REACH standard

Typical application areas include:

industrial applications

building applications

Automotive Industry

General Information			
Uses	Industrial application		
	Architectural application field		
	Application in Automobile Field		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural color		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	91		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set	32	%	ASTM D412
Tensile Stress ¹ (100% Strain)	4.20	MPa	ASTM D412
Tensile Strength ²	8.10	MPa	ASTM D412
Tensile Elongation ³ (Break)	480	%	ASTM D412
Tear Strength ⁴	34.0	kN/m	ASTM D624
Compression Set ⁵ (70°C, 22 hr)	50	%	ASTM D395B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		UL 94
3.20 mm	V-0		UL 94
Oxygen Index	25	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	

Rear Temperature	170	°C
Middle Temperature	180	°C
Front Temperature	185	°C
Nozzle Temperature	195	°C
Mold Temperature	20.0 - 40.0	°C

Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	3.0	hr
Cylinder Zone 1 Temp.	170	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	185	°C
Die Temperature	185	°C

Extrusion instructions

Extrusion Head Temperature: 195°C

NOTE

- | | |
|----|-------------|
| 1. | Mouth die c |
| 2. | Mouth die c |
| 3. | Mouth die c |
| 4. | C mould |
| 5. | Type 1 |

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